



# CITY OF MANITOWOC

WISCONSIN, USA

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## MEMO

**TO:** Public Infrastructure Committee

**FROM:** Dan Koski, PE, Director of Public Infrastructure

**DATE:** April 27, 2022

**RE:** Stormwater Hydrology & Hydraulics (H&H) Study Proposal Recommendation

Members of the Public Infrastructure Committee:

In relation to the flooding events of last year, the recommendation coming out of PI Committee meetings, and included in the 2022 Capital Budget, was to instruct staff to retain a consulting firm in order to prepare a focused drainage study and recommend corresponding drainage solutions for the following areas:

- Storm sewers in the basin that discharges to Lake Michigan through Red Arrow Park. This basin is approximately 1,300 acres in size.
- Storm sewers in the basin that discharges to the Manitowoc River via South 19<sup>th</sup> Street. This basin is approximately 400 acres in size.
- Storm sewers in the basin that discharges to the Little Manitowoc River via Fenway Terrace east of River Court. This basin is approximately 60 acres in size.

The City sent Request for Proposals (RFPs) to 7 consulting firms and received proposals from 3 firms offering engineering services for this study. Greg Minikel, Matt Smits and I reviewed the proposals in relation to past performance, experience and competence, past projects, general project understanding, and cost. It is important to note that while all projects were within budget, the scope of services were presented in a manner that was not apples to apples. In order to arrive at a basis for comparison that provided a more accurate representation of what the City is looking to obtain out of the project a number of qualitative criteria was employed. For example, one firm proposed modeling only pipes 30 inches in diameter, while the other 2 each proposed modeling 18 inches or greater. As we desire this higher level of detail, we discounted the first firm. Between the 2 remaining, we looked at potentially removing surveying services from each of them, as this is something the City may be able to provide with our own staff. This left a difference of about 3.5% between the two cost estimates. We then looked at the level of effort and quality of proposals, along with potential synergies with current projects since the actual costs would be billed on a Time and Materials basis in either case based upon actual work performed. Strand Associates is already hired to work on the DNR grant funded TMDL study for us, so these projects could have some overlap.

Therefore, I recommend awarding the contract for Engineering Services related to the Stormwater Drainage H&H Study to Strand Associates, in an amount of \$129,900.